

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

October 6, 1997

08/944,850

Under the Paperwork Reduction Act of 1995 persons are required

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE **STATEMI**

	9	-
ENT BY APPLICANT	First Named Inventor	WALT et al.
	Group Art Unit	2878
many sheets as necessary)	Examiner Name	HANNAHER C

Application Number

(use as Sheet of 2 Attorney Docket Number A-67207/RMS/DCF/AMS

Filing Date

	U.S. PATENT DOCUMENTS													
Examiner	Cite No.1	U.S. Patent D	ocument	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant								
·Initials*	No.	Number	Kind Code ² (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear								
CA	1	5,474,895		Ishii et al.	12/1995									
CH	2	5,679,524		Nikiforov et al.	10/1997									
CA	3	5,856,083		Chelsky et al.	01/1999	·								
CH	4	5,858,732		Solomon et al.	01/1999									
C/4	5	6,013,456		Akgavan-Tafti	01/2000									
614	6	6,051,380		Sosnowski et al.	04/2000									
CH	7	6,110,678		Weisburg et al.	08/2000									
CH	8	6,172,218	B1	Brenner	01/2001									
LA	9	6,083,763		Balch	07/2000									
CH	9a	5,518,883		Soini	05/1996									

	FOREIGN PATENT DOCUMENTS												
Examiner Initials*	Cite No.1	Foreign Office ³	Patent Docum	Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶				
CH	10	.WO	98/13523		\supset	Pyrose Quencing AB	04/1998						
CH	11	WO	99/60170		N	Hyseq Inc.	11/1999						
CH	12	wo	99/67641			Illumina Inc.	12/1999						
CI	13	wo	00/04372		اَ	Board of Regents, U of Texas System	1/2000						
CIA	14	WO	00/13004		7	Trustees of Tufts College	3/2000						
CH	15	WO	00/16101		গ্র	Trustees of Tufts College	3/2000						
CH	16	WO	00/39587		7	Illumina Inc.	7/2000						
CI+	17	WO	00/47996			Illumina Inc.	8/2000						
	18	₩0	00/48000			Illumina Inc.	8/2000						
CH	19	WO	00/63437	C	7	Illumina Inc.	10/2000						
CH	20	WO	00/71243		D	Illumina Inc.	11/2000						
CH	21	wo	00/71995		刻	Illumina Inc.	11/2000						
CH	22	wo	00/75373		2	Illumina Inc.	12/2000		ļ				
					I								

		·	· · · · · · · · · · · · · · · · · · ·
Examiner Signature	CONSTANTINE HANNAHER	Date Considered	NOV 2 2001

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. (1052962)

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

of

2

Please type a plus sign (+) inside this box ______

Sheet

A-67207/RMS/DCF/AMS

PTO/SB/8B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995, no person Complete if Known Substitute for form 1449B/PTO **Application Number** 08/944,850 INFORMATION DISCLOSURE October 6, 1997 Filing Date STATEMENT BY APPLICANT First Named Inventor WALT et al. Group Art Unit 2878 (use as many sheets as necessary) **Examiner Name** HANNAHER, C.

Attorney Docket Number

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²							
CH	Using Bingle Base Chain Extension, Genome research, 16(4),547 357 (April 2000).									
CH	24	Czarnik, "Illuminating the SNP Genomic Code," Modern Drug Discovery, 1(2): 49-55 (November/December 1998).								
CH	25	Drmanac, R. et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," Scientia Yugoslavica, 16(1-2):97-107 (1990).								
CH	26	Drmanac, R. et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," International Journal of Genome Research, 1(1):59-79 (1992).								
CH	27	Drmanac, R. et al., "Sequencing by Hybridization," Automated DNA Sequencing and Analysis, ed. M. Adams, C. Fields and J. Venter. (1994).								
CH	28	Iannone et al., "Multiplexed Single Nucleotide Polymorphism Genotyping by Oligonucleotide Ligation and Flow Cytometry," Cytometry, 39:131-140 (February 1, 2000).								
CA	29	Lyamichev et al., "Polymorphism identification and quantitative detection of genomic DNA by invasive cleavage of oligonucleotide probes," Nature Biotechnology, 17:292-296 (March 1999).								
CH	30	Michael et al., "Making Sensors out of Disarray: Optical Sensor Microarrays," Proc. SPIE, 3270: 34-41 (May 1998).								
C14	31	Walt, D. "Fiber Optic Imaging Sensors," Accounts of Chemical Research, 31(5): 267-278 (May 1998).								
• • • • • • • • • • • • • • • • • • • •										
	L									

Examiner Signature	CONSTANTINE HANNAHER	Date Considered	NOV 2 2001

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 2023 1. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 2023 1.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English Language Translation is attached.

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ection of information unless it contains a valid OMB control number

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMER Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

to a collection of information unless it contains a valid OMB control number.						
Complete if Known						
Application Number 08/944,850						
Filing Date	October 6, 1997					
First Named Inventor	Walt et al.					
Group Art Unit	2878					
Examiner Name	Hannaher, C.					
Attorney Docket Number	A-67207/RMS/DCF/AMS					

					U.S. PATENT DOCU	UMENTS	
Examiner	Cite No.1	U.S. Patent I	Document		Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant
Initials*	110.	Number	Kind Code (if known		of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
CH	1	5,494,810			Barany et al.	02/1996	
CH	2	5,830,711			Barany et al.	11/1998	
C1+	3	5,863,708			Zanzucchi et al.	01/1999	,
CH	4	6,023,540			Walt et al.	02/2000	
CH	5	6,027,889			Barany et al.	02/2000	
CH	6	6,054,564			Barany et al.	04/2000	
CH	7	6,251,639	E	31	Kurn	06/2001	
CIA	8	6,268,148			Barany et al.	07/2001	
CH	9	5,837,196			Pinkel	11/1998	
	I						

						FOREIGN PATENT DOCUMENTS			
Examiner Initials*	Cite No.1	Foreign l	Patent Docum	Kind Co (if know		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
CH	10	wo	93/25563		AL	City of Hope	12/1993		
CH	11	WO	97/31256		A3)	Cornell Research Foundation	08/1997		Ш
C/4	12	WO	00/58516		A2	Whitehead Institute for Biomedical Research	10/2000		
								•	
					<u> </u>				
-									
					1				

Examiner Signature	CONSTANTINE HANNAHER	Date Considered	 NOV	2	2001	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Sheet

A-67207/RMS/DCF/AMS

Please type a plus sign (+) inside this box — + PTO/SB/8B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449B/PTO **Application Number** 08/944.850 INFORMATION DISCLOSURE Filing Date October 6, 1997 (use as many sheet R First Named Inventor Walt et al. Group Art Unit 2878 Examiner Name Hannaher, C.

Attorney Docket Number

	PADEMIN							
		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²					
	13	Shoemaker et al., "Quantitative phenotypic analysis of yeast deletion mutants using a highly parallel molecular bar-coding strategy," Nature Genetics, 14:450-456 (1996).						
			+-					
			\blacksquare					
			世					
			-					
	ļ		丰					
			1_					
			+					
			#					
			士					
			+					
			\blacksquare					
			\pm					
			\blacksquare					
			\pm					
	 							

Examiner Signature	CONSTANTINE HANNAHER	Date Considered	NOV	2 200)1

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1061522

¹ Unique citation designation number. ² Applicant is to place a check mark here if English Language Translation is attached.